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● PRINTER RUSH ●
(PTO ASSISTANCE)

Application : 09143583 Examiner : Yao GAU : 1733
From : J. Blach Location : (IDC) FMF FDC Date : 6/22/05

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DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449		<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS		<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>9/27/04</u>	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW		<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW		<input type="checkbox"/> Other
<input type="checkbox"/> DRW		
<input type="checkbox"/> OATH		
<input type="checkbox"/> 312		
<input type="checkbox"/> SPEC		

[RUSH] MESSAGE:

Please provide legible copy of claims. Am dated
9/27/04 has lines through text.

Thank you!

[XRUSH] RESPONSE:

[Signature]

Per Manager

INITIALS: [Signature]

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REV 10/04

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In the claims:

- Amended*
1. (Currently Amended) *the steps of* A process for producing a yarn suitable for tufting, said process comprising the steps of:
- a. forming a *bundle* *group* consisting essentially of a first base fiber, said first base fiber being selected from the *group* consisting of polyamides, polyesters, polyolefins, cotton and wool;
- b. ring spinning or *wrap* *or wrapped* spinning the bundle of fiber with a second fiber; said second fiber being twisted *or wrapped* uniformly around the bundle of fiber and consisting essentially of a *blend* *lower than* of a second base fiber and a heat-activated binder material having a melting point *lower than* that of said bundle of fiber to form a yarn, said yarn comprising 0.1 to 12 weight *percent* *melting* of the binder material; the comprising a heat-activated binder material having a *melting* *heat here* melting point range substantially below that of the base fiber to form a yarn, wherein said *conditions* heat-activated binder material has a melting point range of 105° to 190°C under ambient *conditions* such that the second fiber is wrapped around or inserted into the bundle of first base fibers;
- c. twisting two or *more* *material* more of the yarns to form a plied yarn comprising 0.1 to 12 weight percent of the binder *yarn* material;
- d. heating the plied *intersecting* *yarn* yarn sufficiently to melt the binder material and causing the binder material to flow to *intersecting* *yarn* intersecting points with the first base fiber; followed by
- e. cooling the plied *retain* yarn to solidify the binder material to thereby encapsulate and bind the first base fiber and *retain* retain the twist in the plied yarn.

- process*
2. (Original) The *process* process of claim 1 wherein said heating step occurs during twist setting of the plied yarn.

- process*
3. (Original) The *process* process of claim 1, wherein the bundle of fiber is formed by spinning staple fiber.

4. - 13 (Canceled)

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Presented
14. (Previously Presented) The process of claim 1 wherein the base fiber is nylon-6 having melt point range of 215 to 225°C.

Presented
15. (Previously Presented) The process of claim 1 wherein the bundle consisting essentially of a first base fiber is selected from the group consisting of a sliver and a bundle of continuous filaments.

Presented
16. (Previously Presented) The process of claim 1 wherein said first base fiber is a polyamide selected from the group consisting of nylon-6 and nylon-6,6.

Presented
17. (Previously Presented) The process of claim 1 wherein said second fiber comprises a copolyamide.

Presented
18. (Previously Presented) process of claim 1 wherein said second fiber comprises a copolyamide of nylon 6/nylon 6,6 or nylon6/nylon 6,6/nylon 12.

Presented
19. (Previously Presented) The process of claim 1 wherein said first base fiber is a polyamide and said second fiber comprises a copolyamide.

Presented
20. (Previously Presented) The process of claim 1 wherein said first base fiber is a polyamide selected from the group consisting of nylon-6 and nylon-6,6 and wherein said second fiber comprises a copolyamide of nylon 6/nylon 6,6 or nylon6/nylon 6,6/nylon 12.